

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) In a threaded computing environment having a plurality of contexts, each context capable of containing a queue, context settings, a context dictionary, and objects, a method for allocating the access of threads to a user interface context, the method comprising:

receiving a request to access the user interface context from a first thread;

determining whether the user interface context is presently being accessed by a second thread, and:

if the user interface context is presently being accessed by a second thread, denying the request to access the user interface context received from the first thread; and

if the user interface context is not presently being accessed by a second thread, allowing the request to access the user interface context received from the first thread.

2. (Original) The method for allocating the access of threads to user interface context of claim 1, the method further comprising:

maintaining a context record associated with each thread that identifies the contexts accessed by the thread, the most recent entry in the context record indicating the context presently being accessed by the thread;

when a thread accesses an object in the user interface context, checking the most recent entry in the context record associated with the thread;

determining whether the most recent entry in the context record matches the context of the object being accessed; and

if the most recent entry in the context record does not match the context of the object being accessed, raising an exception.

3. (Original) The method for allocating the access of threads to a user interface context of claim 1, the method further comprising:

maintaining thread settings associated with threads;

maintaining context settings in the user interface context; and

applying the context settings of the user interface context in place of the thread settings of any thread accessing the user interface context.

4. (Original) The method for allocating the access of threads to a user interface context of claim 3, the method further comprising restoring the thread settings when a thread departs the user interface context.

5. (Canceled).

6. (Canceled).

7. (Canceled).

8. (Canceled).

9. (Canceled).

10. (Canceled).

11. (Canceled).

12. (Canceled).

13. (Original) A computer readable media on which is stored computer readable code to cause a computer to perform a method for allocating the access of threads to a user interface context in a threaded computing environment having a plurality of contexts, each context capable of containing a queue, context settings, a context dictionary, and objects, the method for allocating the access of threads to a user interface context comprising:

receiving a request to access the user interface context from a first thread;

determining whether the user interface context is presently being accessed

by a second thread, and:

if the user interface context is presently being accessed by a second thread,

denying the request to access the user interface context received from the first thread; and

if the user interface context is not presently being accessed by a second

thread, allowing the request to access the user interface context received from the first thread.

14. (Original) The computer readable media of claim 13, the method for allocating the access of threads to a user interface further comprising:

maintaining a context record associated with each thread that identifies the

contexts accessed by the thread, the most recent entry in the context record indicating the context presently being accessed by the thread;

when a thread accesses an object in the user interface context, checking

the most recent entry in the context record associated with the thread;

determining whether the most recent entry in the context record matches the context of the object being accessed; and

if the most recent entry in the context record does not match the context of the object being accessed, raising an exception.

15. (Original) The computer readable media of claim 13, the method for allocating the access of threads to a user interface comprising:

maintaining thread settings associated with threads;

maintaining context settings in the user interface context; and

applying the context settings of the user interface context in place of the thread settings of any thread accessing the user interface context.

16. (Original) The computer readable media of claim 15, the method for allocating the access of threads to a user interface further comprising restoring the thread settings when a thread departs the user interface context.

17. (Canceled).

18. (Canceled).

19. (Canceled).

20. (Canceled).

21. (Canceled).

22. (Canceled).

23. (Canceled).

24. (Canceled).